Passage Plan



Section 1: General information

Vessel's Name	НАКО
Voyage Number	02
Vessel's Condition	Loaded
Target Speed	12.5
Target RPM	70
Total Steaming Time	1D 17H 30M
Total distance to go	519
Max height above Keel (in Meters)	47.4
Max Summer Draft	13.318

Departure Port Information			
Name of the Port	PRINCE RUPERT		
ETD	17 JULY / 0800 LT		
Time Zone	+7		
Estimat	ed ROB's on Departure		
НЕО	580		
MDO/MGO	32.8		
FW	140		
MECYL	10850		

Departure Draft (mtrs)		
Fore	11.83	
Aft	11.83	
Max Air Draft	35.57	
Density	1.020	
Arri	val Draft (mtrs)	
Fore	11.82	
Aft	11.82	
Max Air Draft	35.58	
Density	1.025	

Arrival Port Information		
Name of the Port	VANCOUVER	
ETA	18 JULY / 0130 LT	
Time Zone	e +7	
Estim	ated ROB's on Arrival	
HFO	545	
MDO/MGO	32.8	
FW	140	
MECYL	10550	

Consumptions / Day in MT		
HFO	25	
MDO/MGO	0	
L.O ME CYL Ltrs/day	115	
Fresh Water Data		
FW Consumption/ day in MT	. 10	
FW Production / day in MT	20	
Net Gain / Loss / day in MT	10	

Block Coefficient	0.86	
Clock to be advanced/Retarded during voyage		
Clocks	Not Applicable	
Duration	Not Applicable	
If the vessel is (Crossing International Date line	
Date of Crossing	Not Applicable	
Day Advance/ Retard	Not Applicable	

Section 2B: Voyage Appraisal on ECDIS



Α. 9	CHECKLIST FOR VOYAGE PLAN	NING ON ECDIS	
a) (for all Sea Areas of the proposed voyage? Cs to comply with IHO chart data transfer standard 5-57)	Yes No No
t (d	If answer to (a) is "No", does vessel h (If answer is "No", carry out Ris	ave the required Paper charts? sk Assessment to identify hazards and control measures)	Yes No N/A
c) (Check that ENC permits are valid for t Contracted ENC distributor	the duration of voyage. to be notified in case the validity needs to be extended)	
d) (Check that latest corrections have be From update CD	en applied to ENCs. Dissued by ENC distributor or updates received on email)	Last Correction 28/2014 no. with Date: 12/07/201
e) (Check that controlling operational da (Max Droft,	ta is updated in ECDIS. Air-draft, Turning Data, Min UKC, Look Ahead Dist, etc.)	12/04/201
f) C	Check that data input from Bridge eq (Input from GPS, Gyro with other Bridge eq	uipment is displayed on ECDIS. & Log is mandatory. In addition, there may be interface quipment like AIS, Rador, Auto-pilot, VDR, NAVTEX, etc.)	
g} C	Check that geodetic datum on GPS is :	set to WGS-84,	
h) C	Check that all warning alarms on ECD (Includes inbuilt syste	S are activated & functional. em fault/failure alarms & user defined principal alarms)	
i) V	erify Principal alarm settings. A list o (Safety contours, so	f alarms to be posted near ECDIS. If ety depth, area with special conditions, X-track alarm, safety zone, CPA/TCPA, etc.)	
j) C		incorporated on ENCs (refer flow chart) ormation Overlay, MIO: Mariner's Information Overlay)	Last Correction no. with Date:
	Does vessel have ENCs from AVC?	Does vessel's ECDIS have function to install AIO?	Check latest AlO updates
	NO	Apply T&P corrections manually (MIO)	are installed
В. <u>в</u>	ELOW INFORMATION TO BE M	ARKED ON ENCs (same as normally done	on paper charts)
		LASHING ANCHORS / ECHO SOUNDER "ON"	V
b) A	reas where 2 Steering motors to be s	witched "on" (if applicable)	
c) La	andfall targets & Lights / Prominent N		
d) Al		Navigation & Radar conspicuous marks	
	bort Point (refer BPM Sec-3.3)	Navigation & Radar conspicuous marks	
e) A	bort Point (refer BPM Sec-3.3)	Navigation & Radar conspicuous marks Minimum UKC / Possibility of banking effect	
	bort Point (refer BPM Sec-3.3) reas of significant Tides & Currents /		
f) Pa	bort Point (refer BPM Sec-3.3) reas of significant Tides & Currents /	Minimum UKC / Possibility of banking effect is and during coastal navigation if applicable	
f) Pa	bort Point (refer BPM Sec-3.3) reas of significant Tides & Currents / arallel Indexing while in pilotage area	Minimum UKC / Possibility of banking effect is and during coastal navigation if applicable arks / Leading Lines	
f) Pa g) Cl h) Na	bort Point (refer BPM Sec-3.3) reas of significant Tides & Currents / arallel Indexing while in pilotage area learing Lines & Bearings / Heading Ma	Minimum UKC / Possibility of banking effect is and during coastal navigation if applicable arks / Leading Lines	
f) Pag) Cl h) Na i) W	bort Point (refer BPM Sec-3.3) reas of significant Tides & Currents / arallel Indexing while in pilotage area learing Lines & Bearings / Heading Ma 0-go Areas (Mainly for dangers to navi	Minimum UKC / Possibility of banking effect is and during coastal navigation if applicable arks / Leading Lines	
f) Pag) Cl h) No i) W j) Co	bort Point (refer BPM Sec-3.3) reas of significant Tides & Currents / arallel Indexing while in pilotage area learing Lines & Bearings / Heading Ma o-go Areas (Mainly for dangers to navidate)	Minimum UKC / Possibility of banking effect is and during coastal navigation if applicable arks / Leading Lines	
f) Pag) Cl h) Na i) W j) Ca k) VI	bort Point (refer BPM Sec-3.3) reas of significant Tides & Currents / arallel Indexing while in pilotage area learing Lines & Bearings / Heading Ma o-go Areas (Mainly for dangers to navi- /heel-over Position ontingency Anchorage	Minimum UKC / Possibility of banking effect is and during coastal navigation if applicable arks / Leading Lines gation close to the charted track)	
f) Pag) Cl h) Na i) W j) Ca k) VI l) Ca	bort Point (refer BPM Sec-3.3) reas of significant Tides & Currents / arallel Indexing while in pilotage area learing Lines & Bearings / Heading Ma o-go Areas (Mainly for dangers to naviolate) //heel-over Position ontingency Anchorage TS / Port Control / Pilot Station Repor	Minimum UKC / Possibility of banking effect is and during coastal navigation if applicable arks / Leading Lines gation close to the charted track)	

"CARRY OUT A THOROUGH APPRAISAL FOR EACH LEG OF THE VOYAGE BY ROUTE CHECK SIMULATION"

NAV 001

Section 3: Publications

M.V / M.T.

<u>HAKO</u>

Voyage No:

02

Voyage Charts corrected upto:

22/2014 NTM Number

Applicable Admiralty List of Radio Signals			
List of Radio Signals	Latest Edition	Edition on board	Corrected to NTM No.
NP286(5) Volume 6 - Part 5, North America, Canada and Greenland	2013/14	2013/14	2
	À.		

Applicable Admiralty List of Lights and fog signals			
List of Lights	Latest Edition	Edition on board	Corrected to NTM No.
NP80 Volume G: Western Side of South Atlantic and East Pacific Ocean; from Cabo Orange to Point Barrow, and Hawaiian Islands	2013/14	2013/14	

Details of latest Radio/ Electronic Broadcasts (Add any other information in the blank spaces provided)			
Details	Latest warning Applied of available charts		
Navareas/ Hydrolants/ Hydropac warnings	YES	YES	
Vessel's present Navarea	NAV. AREA XII	YES	
Navareas to be transited		·	
Navtex /local area warnings?	YES	YES	
Navtex Areas selected	ALL	YES	
Weather Facsimile broadcasts (List the Chart station)	POINT REYES	YES	
Ocean routeing services	AWT	YES	
Radio Weather Broadcasts?	сомох	YES	
Inmarsat Broadcasts (EGC warnings)	YES	YES	
Special area warnings	YES	YES	

Applicable List of Salling Directions				
Sailing Directions	Latest Edition		Corrected to NTM No.	
NP25 British Columbia Pilot Vol 1	15th ED.	15th ED.		
NP26 British Columbia Pilot Vol 2	10th ED.	10th ED.	; ·	

Applicable Admiralty Tide tables				
Tide tables	Latest Edition	Edition on board	Corrected to NTM No.	
NP204 Volume 4, Pacific Ocean (including Tidal Stream Tables)	2014	2014		
			441	

Applicable Miscellaneous publications (Add any other publication in use in the blank spaces provided)				
Publication	Remarks			
NP 131 Chart Catalogue	2014	2014: ;		
NP 136 Ocean Passages of the world	5th ED.	5th ED.		
NP 100 Mariners hand book	9th ED.	9th ED.		
Guide to port entry	2013/14	2013/14		
Admiralty Co-Tidal Atlas		_		
Tidal Stream Atlas	-1-1-1/			
Load line Chart	Edition 2	Edition 2		
Routeing charts & Guidance for Laden tanker routes off Dutch coast and South Africa	DEC. 2013	DEC. 2013		
	·		·	
NP 735 IALA Buoyage	Arriva	al port	Dep. Port	
System	Reg	ion B	Region B	

Section 4: Tides and current



	M.V./M.T.;	HAKO	Voyage No:	02
		Departure	Port	
1)	Departure Date		17-Jul-14	
2)	Departure Time		0800 LT	
3)	Tides	TIME	HE	EIGHT
Ì.	High water	0449 LT		6.1
ii,	Low water	1101 LT		1.0
4)	Tidal Stream			,
į.	Rate			•
ii.	Direction		, , , , , , , , , , , , , , , , , , , ,	

Arrival Port			
1) Arrival Date	18	B-Jul-14	
2) Arrival Time	0800 LT		
3) Tides	TIME	HEIGHT	
High water	1033 LT	3.5	
i. Low water	0443 LT	1.8	
) Tidal Stream			
Rate	•		
. Direction			

	During The	Passage(Straits, channels	, Ocean Currents etc)
1)	Position		· · ·
2)	Arrival Date	, t.	
3)	Arrival Time		
4)	Tides	TIME	HEIGHT
i.	High water		:
ii.	Low water		1
5)	Tidal Stream		
i.	Rate		en e
ii,	Direction		
6)	Currents		
į	Name		
ii.	Rate		
iii	Direction		**
		<u></u>	<u> </u>

NAV-001



Section 5: Weather conditions

	M.V./M.T.: HAKO	Voyage No: 02
	Navtex Station PRINCE RUPERT TOFINO	Weather Fax Station POINT REYES KODIAK
1)	Are Weather Routing Services being provide	
•,		
	Which organization is providing these service	
	Is the routine weather routing format/report a	
2)	What are the expected weather conditions or	on during the passage ?
	SLIGHT SEA	
3)	What is the max height of swell expected at E	Departure/ Arrival port & during Sea passage ?
4)	What is the max wind speed expected at Dep 10 - 30 KTS.	parture/ Arrival port & during Sea passage ?
5)	What is the max / minimum temperature likely 18 - 23	ly to encounter during voyage ?
S)	Is the vessel expected to experience areas wit way point no's where restricted visibility may b	vith restricted visibility during the passage, if yes, please list the be encountered.
	NO	
-) [Is the vessel expected to encounter ice during	g passage, if yes please advise precautions taken ?
		g passage, if yes please advise precautions taken?
ſ	NO	
) (s the vessel expected to encounter any Tropic during voyage ?	ical Cyclones / Typhoons / Tropical Depression / Hurricanes
	NO:	
1	<u></u>	
*****	Vhat is the GM of the vessel on Departure Ar	Arrival & expected minimum CM to a
*****	Danadii a a a a a a a a a a a a a a a a a a	Arrival & expected minimum GM during Sea passage ? 3.15 Passage 3.15

ED_002238_00002117-00005

Section 6: Reporting Details

			saa Na.	00
M.V./M.T.:	HAKO	<u>Voy</u> a	age No:	02
A) ENOA/D				
1. ENOA/D to	send (For US Calling vessels onl	ty)		NA NA
	ected Date of submission ENOA/		Dat	
Expected Da	ate of submission ENOA/D to OF	FICE DEVIEW	D-4	
Reminder:	240 01 0401111001011 E14070D (5 0)	FIOL INLANCAN	Date	€
1) Vessel to .	send ENOA for office review prior	sending same to NVMC an	d ENOA has to	be forwarded to NVMC
at least 96	hrs prior entering US Waters (Vo	yage type = Foreign to US)		
2) Vessels ca	alling US Waters are required to se	end completed passage pla	n copies duly si	igned by the Master and o
Navigatin	g Officers to Office on email ID fle	et-ccmnav@fleetship.co	m prior enterin	g US Waters.
4) Vessels de	alling US to US port (different COT eparting US ports are required to s	P Zone) are required to sei	id 'E-NOA with	voyage type US to US',
Navigating	g Officers to Office on email ID flee	sena compietea passage pi et. compav@flootebin ^^i	an copies auty :	signed by the Master and
5)Vessel to s	end ENOD for office review prior	sending same to NVMC and	ii phorvessers ii ENOD has to b	oeparture. De forwarded to NVMC atle
hours prio	r departing the berth (Voyage typ	e = US to Foreign).		
Remarks (If any)				
	, #4° 4	tare		
	× ·			
B) PILOTS			V-b	
•	ays pre arrival notice to be given	to Pilot station at arrival n	ort	
Days	2, 1	Hrs	Ort.	12, 4
			· · · · · · · · · · · · · · · · · · ·	14, 7
	mmunication with pilot station (E	•		
/HF Channels	16, 17	Emai	l address	colley@colleywest.bc.ca
any other means	VIA AGENT			
Remarks (If any)		11 10000000		
AN CONTACT P	ILOT VIA TEL. 12503633878 / F	AV. 40Engegging / TELE	Z. 040407000D	DADILOTE VIC
	120000000000000000000000000000000000000	MM. 12000000280 / TELE,	K: Z10497236PI	FAFILUIO VIU
		AA. 12003033293 / TELE,	X: 210497236PI	FAFILOTS VIC
	traffic system)/ Ship's position			
VTS (Vessel	,			Remarks
C) VTS (Vessel	traffic system)/ Ship's position	n reports during the voya	ige :	
VTS (Vessel	traffic system)/ Ship's position	n reports during the voya	ige : VHF Channel	
VTS (Vessel	traffic system)/ Ship's position	reports during the voya VTS Callsign Prince Rupert Traffic	ige : VHF Channel 16, 71	
VTS (Vessel VTS Sector SECTOR 2	traffic system)/ Ship's position Reporting Position Pilotage area	n reports during the voya VTS Callsign Prince Rupert	ige : VHF Channel	
VTS (Vessel VTS Sector SECTOR 2	traffic system)/ Ship's position Reporting Position Pilotage area Rose Spit and Seal Rocks	reports during the voya VTS Callsign Prince Rupert Traffic Prince Rupert Traffic	age : VHF Channel 16, 71 16, 11	
VTS (Vessel VTS Sector SECTOR 2	traffic system)/ Ship's position Reporting Position Pilotage area	very very very very very very very very	16, 11 16, 74	
VTS (Vessel VTS Sector SECTOR 2	traffic system)/ Ship's position Reporting Position Pilotage area Rose Spit and Seal Rocks Triangle Island Along 124-40 W	reports during the voya VTS Callsign Prince Rupert Traffic Prince Rupert Traffic Tofino Traffic Seatle Traffic	nge : VHF Channel 16, 71 16, 11 16, 74 16, 05A	
VTS (Vessel VTS Sector SECTOR 2 SECTOR 1	traffic system)/ Ship's position Reporting Position Pilotage area Rose Spit and Seal Rocks Triangle Island Along 124-40 W Race Rocks	very very very very very very very very	16, 71 16, 71 16, 74 16, 05A 16, 11	
VTS (Vessel VTS Sector SECTOR 2 SECTOR 1	traffic system)/ Ship's position Reporting Position Pilotage area Rose Spit and Seal Rocks Triangle Island Along 124-40 W	very very very very very very very very	nge : VHF Channel 16, 71 16, 11 16, 74 16, 05A	
VTS (Vessel VTS Sector SECTOR 2 SECTOR 1	traffic system)/ Ship's position Reporting Position Pilotage area Rose Spit and Seal Rocks Triangle Island Along 124-40 W Race Rocks	very very very very very very very very	16, 71 16, 71 16, 74 16, 05A 16, 11	
VTS (Vessel VTS Sector SECTOR 2 SECTOR 1 SECTOR 1 SECTOR 3	Reporting Position Pilotage area Rose Spit and Seal Rocks Triangle Island Along 124-40 W Race Rocks Lona Lt.	very very very very very very very very	16, 71 16, 71 16, 74 16, 05A 16, 11 16, 12	
SECTOR 1 SECTOR 3	Reporting Position Pilotage area Rose Spit and Seal Rocks Triangle Island Along 124-40 W Race Rocks Lona Lt.	very very very very very very very very	16, 71 16, 71 16, 74 16, 05A 16, 11 16, 12	
SECTOR 1 SECTOR 3 SECTOR 3	traffic system)/ Ship's position Reporting Position Pilotage area Rose Spit and Seal Rocks Triangle Island Along 124-40 W Race Rocks	very very very very very very very very	16, 71 16, 71 16, 74 16, 05A 16, 11 16, 12	Remarks
SECTOR 1 SECTOR 3 SECTOR 3 SECTOR 3	Reporting Position Pilotage area Rose Spit and Seal Rocks Triangle Island Along 124-40 W Race Rocks Lona Lt. ing in any SRS Ship reporting sy	very very very very very very very very	16, 71 16, 71 16, 74 16, 05A 16, 11 16, 12	Remarks
VTS (Vessel VTS Sector SECTOR 2 SECTOR 1 SECTOR 3 Vessel participat emarks (If any)	Reporting Position Pilotage area Rose Spit and Seal Rocks Triangle Island Along 124-40 W Race Rocks Lona Lt.	very very very very very very very very	16, 71 16, 71 16, 74 16, 05A 16, 11 16, 12	Remarks
SECTOR 1 SECTOR 3 SECTOR 3 Vessel participat emarks (If any) ESSEL WILL SAI	Reporting Position Pilotage area Rose Spit and Seal Rocks Triangle Island Along 124-40 W Race Rocks Lona Lt. Ing in any SRS Ship reporting sy	very very very very very very very very	16, 71 16, 71 16, 74 16, 05A 16, 11 16, 12	Remarks
SECTOR 1 SECTOR 3 SECTOR 3 SECTOR 3	Reporting Position Pilotage area Rose Spit and Seal Rocks Triangle Island Along 124-40 W Race Rocks Lona Lt. Ing in any SRS Ship reporting sy	very very very very very very very very	16, 71 16, 71 16, 74 16, 05A 16, 11 16, 12	Remarks
SECTOR 1 SECTOR 3 SECTOR 3 SECTOR 3 SECTOR 3 CVessel participatemarks (If any) ESSEL WILL SAI CHARTERE	Reporting Position Pilotage area Rose Spit and Seal Rocks Triangle Island Along 124-40 W Race Rocks Lona Lt. ing in any SRS Ship reporting sy	VTS Callsign Prince Rupert Traffic Prince Rupert Traffic Tofino Traffic Seatle Traffic Victoria Traffic Vancouver Traffic Vancouver Traffic	16, 71 16, 71 16, 74 16, 05A 16, 11 16, 12	No TO VANCOUVER.
SECTOR 1 SECTOR 3 SECTOR 3 SECTOR 3 SECTOR 3 CVessel participatemarks (If any) ESSEL WILL SAI CHARTERE	Reporting Position Pilotage area Rose Spit and Seal Rocks Triangle Island Along 124-40 W Race Rocks Lona Lt. Ing in any SRS Ship reporting sy L ONLY ALONG BRITISH COLO RS/ Agents required to be given to Charterer	VTS Callsign Prince Rupert Traffic Prince Rupert Traffic Tofino Traffic Seatle Traffic Victoria Traffic Vancouver Traffic Vancouver Traffic	16, 71 16, 71 16, 74 16, 05A 16, 11 16, 12	Remarks
SECTOR 1 SECTOR 3 SECTOR 3 SECTOR 3 SECTOR 3 CHARTERE Is any notice in Arrival and by	Reporting Position Pilotage area Rose Spit and Seal Rocks Triangle Island Along 124-40 W Race Rocks Lona Lt. ing in any SRS Ship reporting sy L ONLY ALONG BRITISH COLO RS/ Agents required to be given to Charterers what means	VTS Callsign Prince Rupert Traffic Prince Rupert Traffic Tofino Traffic Seatle Traffic Victoria Traffic Vancouver Traffic Vancouver Traffic Vancouver Traffic Vancouver Traffic	16, 71 16, 71 16, 74 16, 05A 16, 11 16, 12	No TO VANCOUVER.
SECTOR 1 SECTOR 3 SECTOR 3 SECTOR 3 SECTOR 3 CHARTERE Is any notice in Arrival and by Means of Con	Reporting Position Pilotage area Rose Spit and Seal Rocks Triangle Island Along 124-40 W Race Rocks Lona Lt. Ing in any SRS Ship reporting sy L ONLY ALONG BRITISH COLO RS/ Agents required to be given to Charterers what means	reports during the voya VTS Callsign Prince Rupert Traffic Prince Rupert Traffic Tofino Traffic Seatle Traffic Victoria Traffic Vancouver Traffic	Age: VHF Channel 16, 71 16, 11 16, 74 16, 05A 16, 11 16, 12 ASREP etc) NCE RUPERT	No TO VANCOUVER.
SECTOR 1 SECTOR 3 SECTOR 3 Vessel participat emarks (If any) ESSEL WILL SAI CHARTERE Is any notice in Arrival and by Means of Con mail address	Reporting Position Pilotage area Rose Spit and Seal Rocks Triangle Island Along 124-40 W Race Rocks Lona Lt. Ing in any SRS Ship reporting sy L ONLY ALONG BRITISH COLO RS/ Agents required to be given to Charterent what means munication with Charterers/ager shipops@manshipping.c	VTS Callsign Prince Rupert Traffic Prince Rupert Traffic Tofino Traffic Seatle Traffic Victoria Traffic Vancouver Traffic Vancouver Traffic Vancouver Traffic Vancouver Extern (eg AMVER/ AUSREP/ J	Age: VHF Channel 16, 71 16, 74 16, 05A 16, 11 16, 12 ASREP etc) NCE RUPERT	No TO VANCOUVER.
SECTOR 1 SECTOR 3 SECTOR 3 Vessel participat emarks (If any) ESSEL WILL SAI CHARTERE Is any notice in Arrival and by Means of Con mail address	Reporting Position Pilotage area Rose Spit and Seal Rocks Triangle Island Along 124-40 W Race Rocks Lona Lt. Ing in any SRS Ship reporting sy L ONLY ALONG BRITISH COLO RS/ Agents required to be given to Charterers what means	VTS Callsign Prince Rupert Traffic Prince Rupert Traffic Tofino Traffic Seatle Traffic Victoria Traffic Vancouver Traffic Vancouver Traffic Vancouver Traffic Vancouver Example AMVER/ AUSREP/ J	Age: VHF Channel 16, 71 16, 11 16, 74 16, 05A 16, 11 16, 12 ASREP etc) NCE RUPERT address address address	No TO VANCOUVER.
SECTOR 1 SECTOR 3 SECTOR 3 SECTOR 3 SECTOR 3 CHARTERE Is any notice in Arrival and by	Reporting Position Pilotage area Rose Spit and Seal Rocks Triangle Island Along 124-40 W Race Rocks Lona Lt. Ing in any SRS Ship reporting sy L ONLY ALONG BRITISH COLO RS/ Agents required to be given to Charterent what means munication with Charterers/ager shipops@manshipping.c	VTS Callsign Prince Rupert Traffic Prince Rupert Traffic Tofino Traffic Seatle Traffic Victoria Traffic Vancouver Traffic Vancouver Traffic Vancouver Traffic Vancouver Example AMVER/ AUSREP/ J	Age: VHF Channel 16, 71 16, 74 16, 05A 16, 11 16, 12 ASREP etc) NCE RUPERT	No TO VANCOUVER.
SECTOR 1 SECTOR 3 SECTOR 3 SECTOR 3 Vessel participate emarks (If any) ESSEL WILL SAI OCHARTERE Is any notice of Arrival and by Means of Contail address mail address mail address	Reporting Position Pilotage area Rose Spit and Seal Rocks Triangle Island Along 124-40 W Race Rocks Lona Lt. Ing in any SRS Ship reporting sy L ONLY ALONG BRITISH COLO RS/ Agents required to be given to Charterers what means Inmunication with Charterers/ager Shipops@manshipping.c	VTS Callsign Prince Rupert Traffic Prince Rupert Traffic Tofino Traffic Seatle Traffic Victoria Traffic Vancouver Traffic Vancouver Traffic Vancouver Traffic Vancouver Example AMVER/ AUSREP/ J DMBIA COAST FROM PRI S/agents prior departure /	Age: VHF Channel 16, 71 16, 11 16, 74 16, 05A 16, 11 16, 12 ASREP etc) NCE RUPERT address address address	No TO VANCOUVER.
SECTOR 1 SECTOR 3 SECTOR 3 SECTOR 3 Vessel participat emarks (If any) ESSEL WILL SAI CHARTERE Is any notice in Arrival and by Means of Conmail address mail address Interval of not	Reporting Position Pilotage area Rose Spit and Seal Rocks Triangle Island Along 124-40 W Race Rocks Lona Lt. Ing in any SRS Ship reporting sy L ONLY ALONG BRITISH COLO RS/ Agents required to be given to Charterent what means munication with Charterers/ager shipops@manshipping.c	VTS Callsign Prince Rupert Traffic Prince Rupert Traffic Tofino Traffic Seatle Traffic Victoria Traffic Vancouver Traffic Vancouver Traffic Vancouver Evaluation Vancouver Traffic	Age: VHF Channel 16, 71 16, 11 16, 74 16, 05A 16, 11 16, 12 ASREP etc) NCE RUPERT address address address	No TO VANCOUVER.
SECTOR 1 SECTOR 3 SECTOR 3 SECTOR 3 Vessel participat emarks (If any) ESSEL WILL SAI OCHARTERE Is any notice in Arrival and by Means of Con mail address mail address interval of not ays Daily at Noon	Reporting Position Pilotage area Rose Spit and Seal Rocks Triangle Island Along 124-40 W Race Rocks Lona Lt. Ing in any SRS Ship reporting sy L ONLY ALONG BRITISH COLO RS/ Agents required to be given to Charterers what means Inmunication with Charterers/ager Shipops@manshipping.c	VTS Callsign Prince Rupert Traffic Prince Rupert Traffic Tofino Traffic Seatle Traffic Victoria Traffic Vancouver Traffic Vancouver Traffic Vancouver Traffic Vancouver Example AMVER/ AUSREP/ J DMBIA COAST FROM PRI S/agents prior departure /	Age: VHF Channel 16, 71 16, 74 16, 05A 16, 11 16, 12 ASREP etc) NCE RUPERT address address address	No TO VANCOUVER.
SECTOR 1 SECTOR 1 SECTOR 3 SECTOR 3 SECTOR 3 Vessel participat emarks (If any) ESSEL WILL SAI CHARTERE Is any notice in Arrival and by Means of Conmail address mail address mail address Interval of not ays Daily at Noonemarks (If any)	Reporting Position Pilotage area Rose Spit and Seal Rocks Triangle Island Along 124-40 W Race Rocks Lona Lt. Ing in any SRS Ship reporting sy L ONLY ALONG BRITISH COLO RS/ Agents required to be given to Charterers what means Inmunication with Charterers/ager Shipops@manshipping.c	VTS Callsign Prince Rupert Traffic Prince Rupert Traffic Tofino Traffic Seatle Traffic Victoria Traffic Vancouver Traffic Vancouver Traffic Vancouver Evaluation Vancouver Traffic	Age: VHF Channel 16, 71 16, 74 16, 05A 16, 11 16, 12 ASREP etc) NCE RUPERT address address address	No TO VANCOUVER.
SECTOR 1 SECTOR 3 SECTOR 3 SECTOR 3 Vessel participat emarks (If any) ESSEL WILL SAI OCHARTERE Is any notice in Arrival and by Means of Conmail address mail address Interval of not ays Daily at Noon	Reporting Position Pilotage area Rose Spit and Seal Rocks Triangle Island Along 124-40 W Race Rocks Lona Lt. Ing in any SRS Ship reporting sy L ONLY ALONG BRITISH COLO RS/ Agents required to be given to Charterers what means Inmunication with Charterers/ager Shipops@manshipping.c	VTS Callsign Prince Rupert Traffic Prince Rupert Traffic Tofino Traffic Seatle Traffic Victoria Traffic Vancouver Traffic Vancouver Traffic Vancouver Evaluation Vancouver Traffic	Age: VHF Channel 16, 71 16, 74 16, 05A 16, 11 16, 12 ASREP etc) NCE RUPERT address address address	No TO VANCOUVER.

Rev 1 / Jan 2014





M.V./M.T.: HAKO Voyage No: 02

Note: Cadets and any other ratings without appropriate certification should not be part of the bridge team.

1. AT SEA

RESPONSIBILITY	0000 - 0400 & 1200 - 1600	0400-0800 & 1600- 2000	0800 – 1200 & 2000 - 2400
oow	SECOND OFFICER	CHIEF OFFICER	THIRD OFFICER
Lookout	AB-1 ERWIN	AB-2 TAMMY	AB-3 DANILO

2. AT SEA, IN RESTRICTED VISIBILITY

RESPONSIBILITY	0000 - 0400 & 1200 - 1600	0400-0800 & 1600- 2000	0800 — 1200 & 2000 - 2400			
Master should be present on bri	Master should be present on bridge in case of high traffic density or any other time deemed necessary by him.					
oow	SECOND OFFICER	CHIEF OFFICER	THIRD OFFICER			
Lookout	OS	OS / BOSUN	BOSUN			
Helmsman (If required)	AB-1 ERWIN	AB-2 TAMMY	AB-3 DANILO			

NOTE:

- 1. Master should be notified if visibility deteriorates below 5 nautical miles or greater distance at Master's discretion.
- 2. Helmsman should be posted in addition to lookout if considered necessary.

3. ARRIVAL/ DEPARTURE PORTS, and/ or IN CONGESTED WATERS

RESPONSIBILITY	0000 - 0400 & 1200 - 1600	0400-0800 & 1600- 2000	0800 – 1200 & 2000 - 2400			
Master should be present on br	Naster should be present on bridge during the time of arrival/ departure port.					
00W	SECOND OFFICER	CHIEF OFFICER	THIRD OFFICER			
Helmsman	AB-1 ERWIN	AB-2 TAMMY	AB-3 DANILO			
Lookout	OS	OS / BOSUN	BOSUN			

4. PILOTAGE WATERS

A.M.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.			
RESPONSIBILITY	0000 - 0400 & 1200 - 1600	0400-0800 & 1600- 2000	0800 1200 & 2000 2400
Master should be present on	bridge during the pilotage.		
00W	SECOND OFFICER	CHIEF OFFICER	THIRD OFFICER
Helmsman	AB-1 ERWIN	AB-2 TAMMY	AB-3 DANILO
Lookout	QS .	OS / BOSUN	BOSUN

Note: Under prolonged pilotage or similar circumstances, or if he is tired, the Master may at his discretion, be relieved by the Chief Officer.

5. HIGHEST LEVEL OF BRIDGE MANNING (AT MASTER'S DISCRETION)

RESPONSIBILITY	0000 - 0400 & 1200 - 1600	0400-0800 & 1600- 2000	0800 – 1200 & 2000 - 2400
ster should be present on bi	idge during this Manning Level.		
OOW	SECOND OFFICER	CHIEF OFFICER	THIRD OFFICER
Additional Officer			
Helmsman	AB-1 ERWIN	AB-2 TAMMY	AB-3 DANILO
Lookout	OS	OS / BOSUN	BOSUN

Note: Some examples of the situations requiring the Highest level of Bridge Manning are Arrival / Departure Ports, Congested Waters, Heavy Traffic, Restricted Visibility, Malfunction of Navigation Equipments etc.



Section 8: ISPS requirements

M.V./M.T.: HAKO	Voyage No:	02			
ARRIVAL PORT/ COUNTRY	VANCOUVER, CANADA				
BERTH NAME /NUMBER:	BUNKERING ANCHORAGE				
SECURITY LEVEL IN PORT	1				
SECURITY LEVEL OF THE VESSEL	1				
ANY ADDITIONAL MEASURES TO BE TAKEN DUE 1	TO SECURITY ALERTS :				
N/A					
AT SEA					
1. is the vessel expected to pass through Piracy prone	area ?	No			
2. Is the SSAS in good working order?		Yes			
Date of last testing of SSAS: 22 June 2014					
 Are all security equipment in good working order? (AIS / Torches / Night vision binoculars /Additional light 	ghts/ Radar etc)	Yes			
Have Anti Piracy watches been planned and relevanexplained to staff on board?		Not applicable			
5. Give brief description of areas which require high vig	gilance :				
N/A					

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Section 9: Environmental requirements

M,V/M.T	HAKO	Voyage No:	02
	•	from agents well in advance in order to comply fully wit ular sensitive Sea Areas (PSSA)	th all local regulations well in time
Area	No	ot applicable	
a.	Point at which master is to be	called marked on chart	Not Applicable
b.	All overboard v/v to be sealed water overboard?	d and locked so as to prevent any grey	Not Applicable
C.	Have all concerned personne operations to be carried out"	el been informed that "No deballasting	Not Applicable
d.	•	el been informed that No deck washing arried out while at anchorage / berth?	Not Applicable
Is the v	ressel expected to enter Marpol	Annex 1 special areas enroute ?	Not Applicable
Sr. No.	MARPOL ANNEX 1 AREAS	DATE /TIME OF ENTRY	
1	Not applicable	i. di Matada	
2	<u> </u>		
3			
4			
5			
6			
Is the v	ressel expected to enter Marpo	Annex 5 special areas enroute ?	Not Applicable
Sr. No.	MARPOL ANNEX V AREAS	DATE/ TIME OF ENTRY	
1	Not applicable		
2			
3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
4			
5	J. V.		
6	, , , , , , , , , , , , , , , , , , , ,		
	ressel expected to enter SECAr complies with SECA/ECA plan	/ECA area, if yes please advise if (QMS 90A).	Yes
Sr. No.	SECA/ECA AREAS	DATE/TIME OF ENTRY	
1	Areas covered by ECA	Entire voyage will be in ECA area only.	
2		Presently vessel is in ECA area	
3			
4			
			
		for its entire duration of stay in the	

Section 9: Environmental requirements

<u>N</u>	<u>.V/M. I HAKO </u>	Voyage No:	02
6)	Does the vessel have sufficient MGO to comp	ply with the EU Directive?	Not Applicable
7)	If calling California, Does the vessel have suf local regulations?	ficient MGO to comply with the	Not Applicable
	(When the vessel arrives within 24 nautical miles of Califouse in their Main Engine/ Auxiliary engines/ boilers, Maria and Marine diesel oil (MDO) with a 0.1% sulphur cap.)	•	
8)	Is Ballast water exchange required to be carri	ed out ?	Not Applicable
9)	Has the vessel been supplied with refractome	eter and same working in order?	Yes
10)	On Bulk carriers and General cargo vessels, residues been recorded in Garbage Record B		Not Applicable
		Date of Last entry:	Not Applicable
11)	Is the vessel calling any port with special sew in force ?	vage or grey water regulations	No
12)	If trading on US East Coast (Southeastern Atl waters), are speed restrictions to protect enda maintained and marked on respective Charts' (The 10-knot speed restriction will extend out to 20 nautical each year in the following approximate locations at the following	angered right whales ? If miles around major mid-Atlantic ports	Not Applicable
	Area Not applic	cable	
	Chief Officer		Chief Engineer



Section 10: Contingencies

<u>M.</u>	.V./M.T.: HAKO	Voyage No:	02
1.	Tug Failure		
	Master shall inform forward & aft station in order	er to deal with any emergenc	pies
	Vessel should rig fenders to minimize the conta	act damage.	
2.	Please refer to Emergency Procedure Manu	ual Section 4 for following E	∃mergencies :
	Fire / Main Engine Failure / Casuality / Terroris		_
	Spill ETC	,	
3.	Incapacity of Pilot		
	Master shall take over the Con of the vessel		
	Master shall notify Pilot Station and Tugs if app	plicable	
	Master should proceed to safe contingency and	chorage	
	Master should notify all vessel in the vicinity	-	
	Crew should be standby forward station along	with C/O for possible anchor	ring
4.	Port Of Refuge		
	List out possible 'Port of Refuge'.		
	Port of refuge should be a port where nec immediately for example assistance for Mach discharging cargo for further transshipment)	cessary assistance can be ninery repairs, Medical Assis	provided to the vessel stance, and possibility of
1	VICTORIA		
2			
3	, , , , , , , , , , , , , , , , , , ,		
4			
5			
5	General Precautions for the Voyage :		
-	SHARP LOOKOUT AT ALL TIMES AS VESSE	L SAILING IN EXPECTED H	EAVYTRAFFIC AND IN
	THE EXPECTED PRESENCE OF PLEASURE	CRAFTS AND FISHING BOA	ATS.
	·		
	1		

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Section 11: Departure Port - Passage from Berth to Pilot Station

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02

Voyage No.

														ואניני	TA ELL	IIKC CALCILI ATION AT EVEBY MAY BOINT	VEDV W	MICG VA	T (mater)
		Ľ.	Latitude		٤	Longitude					Position	METHOD OF POSITION	POSITION		Expecte	Intended		Zi.	(mm)
<u>₹</u>	Name/ Reference	Deg	M in	S/N	Deg	Z i	'E/W	1/00	DIST	DTG	Plotting Interval	Primary Se	Secondary	Deepest Draft		transit Speed	Squat	Charted Depth	OXC
-	GRAIN BERTH	54* 1	13.950'	z	130* ;	20.200	3			21.7	5 mins or less	>	GPS	11.83	3.55	9	0.62	13.9	5.00
7	RIDLEY TERMINAL	54*	13.531'	z	130* ;	21.028'	≩	229.2	9.0	21.0	5 mins or less	Visual/Radar	GPS	11.83	3.55	10	1.72	33	23.00
က	BUOY D43	,4¢	12.805'	Z	130*	21.365	<u> </u>	195.2	0.8	20.3	5 mins or less	Visual/Radar	GPS	11.83	3.55	10	1.72	34	24.00
4	BUOY D43	54*	12.533'	z		22.016	×	234.5	0.5	19.8	5 mins or less	Visual/Radar	GPS	11.83	3.55	12.5	2.69	37	26.03
ß	KINAHAN IS.	54* 1:	13.313'	z	130* ;	130* 23.631'	*	309.5	1.2	18.6	5 mins or less	Visual/Radar	GPS	11.83	3.55	12.5	2.69	45	34.03
ဖ	ALEXANDRA BK	54*	13.473	z	130* 3	34.975	3	271.4	6.6	11.9	5 mins or less	Visual/Radar	GPS	11.83	3.55	12.5	1.35	62	52.37
7	PILOT STN.	54* 1	19.020	z	130* 8	53.039'	3	297.7	11.9	0.0	5 mins or less	Visual/Radar	GPS	11.83	3.55	10	0.86	529	219.86
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						a principal de la companya de la com													
											The state of the s								
L				-		***************************************	\vdash							***************************************				<u>.</u>	

Note: Increase in draft forward or aft due to squat effect could be more than mean draft increase. Squat is likely to result in an increase in forward draft if the block coefficient is < 0.7.

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Section 12: Sea Passage - Passage from Pilot Station to Pilot Station

02

Voyage No.

*	*** - A longer route should always be accepted in preference to shorter more	ould always	pe ac	cepte	d in prefere	nce to she	orter more	hazardous route	is route								
										BALTION O				ري م	UKC Calculation (mtr)	n (mtr)	
dΜ	P Name/ Reference	Latitude	<u>.</u>		Longitude	1/00	DIST	DTG	Position	ME I HOD O	METHOD OF POSITION	Min Distance (NM) from	Deepest	Intended		Min.	
		Deg Min	S/N.	Deg	Min 'E/W)	Interval	Primary method	Secondary method	Nearest Land/Hazard	Draft	fransit Speed	Squat	Charted Depth	CKC
_	PILOT STN.	54* 19.020	z	130	53.039' W			518.6	5 mins or less	Visual/Radar	GPS	1.0	11.83	10	0.86	229	216.31
∞	BUOY D60	54* 18.941	Z	130*	57 463' W	268.3	2.6	516.0	10 mins or less	Visual/Radar	GPS	1.3	11.83	12.5	1.35	77	63.82
<u></u>	BUTTERWORTH RK	54* 15.022'	z	131*	01.751' W	212.6	4.7	511.3	15 mins	Visual/Radar	GPS	1.6	11.83	12.5	1,35	100	86.82
9	BONILLA IS.	53* 29,062	z	130*	51.741' W	172.7	46.3	465.0	30 mins	Visual/Radar	GPS	7,6	11.83	12.5	1.35	88	66.82
=	TRIANGLE IS.	50* 44.950	z	129*	13.841' W	159.8	174.8	290.2	60 mins	Visual/Radar	GPS	7.4	11.83	12.5	1.35	125	111.82
42	BROOKS PEN.	49* 59.319	Z	128*	05.070° W	136.1	63.4	226.8	60 mins	Visual/Radar	GPS	8.9	11.83	12.5	1.35	009	586.82
13	QUISTIS POINT	48* 52.108	z	125*	56.002' W	128.6	107.7	119.1	30 mins	Visual/Radar	GPS	2.9	11.83	12.5	1.35	09	46.82
4	J. DE FUCA ENT.	48* 28,462	z	125*	14.995' W	131.0	36.0	83.1	30 mins	Visual/Radar	GPS	10.0	11.83	12.5	1.35	153	139.82
15	J.D. FUCA LT, BY	48* 28.600	z	124*	124* 43.500' W	9.680	20.9	62.1	15 mins	Visual/Radar	GPS	1.0	11.83	12.5	1.35	256	242.82
5	TSS	48* 13.500	Z	123*	55.000' W	115.0	35.7	26.5	15 mins	Visual/Radar	GPS	3.5	11.83	5	0.86	157	144,31
17	RACE ROCK SOUTH	48* 13.500'	z	123*	32.000° W	0.090	15.3	11.1	10 mins or less	Visual/Radar	GPS	9.0	11,83	80	0.56	148	135.61
138	RACE ROCK EAST	48* 15.000	z	123*	27.000' W	065.8	3.7	7.5	5 mins or less	Visual/Radar	GPS	1.2	11.83	8	0.56	153	140.61
6	VICTORIA P/STN	48* 22.000°	z	123*	23:100° W	020.4	7.5	0.0	5 mins or less	Visual/Radar	GPS	2.3	11.83	9	0.31	95	82.86
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	Note: Increased in draft forward or aft all a to the second	Iroff formord o	3	40	To all a factors	-				7				-	 	-	

Note: Increase in draft forward or aft due to squat effect could be more than mean draft increase. Squat is likely to result in an increase in forward draft if the block coefficient is < 0.7.

Section 13A: Arrival Port - Passage from Pilot Station to Berth

≥,	v HAKO											>	Voyage No			02	
												UKC CA	CALCULATION AT EVERY WAY POINT (mtr)	ON AT E	/ERY W	AY POIN	T (mtr)
		Latitude		Longitude	4.	COFF	Ė	Q.	Position	METHOD OF POSITION FIXING	POSITION VG	Deepest		Intended		Min.	, in
) }	Name/ Reference	Deg Min 'N	N/S Deg	eg Min	E/W	3	2	ם פ	Interval	Primary method	Secondary method	Draft	a neigni of Tide	Speed	Squar	Chaned Depth	י אר
19	VICTORIA P/STN	48* 22.000' N	N 12	123* 23.100'	×			85.2	5 mins or less	Visual/Radar	GPS	11.82	1.60	မ		95	84.78
20	STAINES POINT	48* 22.000' N		123* 18.000"	≩	0.090	3.4	81.8	10 mins or less	Visual/Radar	GPS	11.82	1.80	12.5	1.35	95	83.63
21	SEA BIRD POINT	48* 24.500' N	N 12	123* 10.500	≶	063.4	5.6	76.3	10 mins or less	Visual/Radar	GPS	11.82	1.80	12.5	1.35	64	52.63
22	BEAUMONT SH	48* 27.000' N	N 12	123* 09.700'	8	012.0	2.6	73.7	10 mins or less	Visual/Radar	GPS	11.82	2.00	12.5	1.35	126	114.83
23	KELP REEFS	48* 33.000' N	N 12	123* 12.000"	×	345.7	6.2	67.5	10 mins or less	Visual/Radar	GPS	11.82	2.00	12.5	1.35	247	235.83
24	TOM PT.	48* 40.000' N	N 12	123* 15.000	≯	344.1	7.3	60.2	10 mins or less	Visual/Radar	GPS	11.82	2.00	12.5	1.35	315	303.83
25	TURN PT.	48* 41,500' N	N 12	123* 15.000'	×	360.0	1.5	58.7	10 mins or less	Visual/Radar	GPS	11.82	2.00	12.5	1.35	144	132.83
26	EAST PT.	48* 45.700' N	N 12	123* 02.000'	W	0.64.0	9.6	49.2	10 mins or less	Visual/Radar	SdS	11.82	2.20	12.5	1.35	245	234.03
27	PUGET SOUND TSS	48* 49.300' N	N 12	122* 58.000'	W	036.3	4.5	44.7	10 mins or less	Visual/Radar	GPS	11.82	2.20	12.5	1.35	201	190.03
28	PUGET SOUND TSS	48* 54.500' N	N 12	123* 04.500	×	320.5	6.7	38.0	10 mins or less	Visual/Radar	GPS	11.82	2.20	12.5	1.35	120	109.03
29	ROBERTS BANK	04.500	N 12	123* 21.000"	Λ	312.6	14.8	23.2	10 mins or less	Visual/Radar	GPS	11.82	2.60	12.5	1.35	150	139.43
30	STURGEON BANK	49* 14.600' N	N 12	123* 19.000	Α.	4.700	10.2	13.0	10 mins or less	Visual/Radar	GPS	11.82	2.60	12.5	1.35	131	120.43
31	PT. GREY	49* 17.000' N	N 12	123* 18.000'	⋧	015.3	2.5	10.5	5 mins or less	Visual/Radar	GPS	11.82	2.80	12.5	1.35	09	49.63
32	PT. ATKENSON	49* 18.300' N	N 12	123* 16.000	≩	045.2	8.	8.7	5 mins or less	Visual/Radar	GPS	11.82	2.80	12	1.24	100	89.74
8	NAVVY JACK PT.	49* 19.200' N	N 12	123* 10:000'	≥	077.1	4.0	4.7	5 mins or less	Visual/Radar	GPS	11.82	2.80	12.	2.48	28	16.50
34	LIONS GATE BRIDGE	49* 19.000	N 12	123* 08.500	≷	101.5	1.0	3.6	5 mins or less	Visual/Radar	GPS	11.82	2.80	10	1.72	22.5	11.76
35	BURNABY SHOAL	49* 18.080' N	N 12	123* 06.500	3	125.1	9.	2.1	5 mins or less	Visual/Radar	GPS	11.82	2.80	10	1.72	30	19.26
98	VANCOUVER HR	49* 18.000 N	N 12	123* 05.000	3	094.7	1.0	£	5 mins or less	Visual/Radar	GPS	11.82	2.80	10	1.72	33	22.26
37	VANCOUVER HR	49* 18.000° N	N 12	123* 04.000	≥	0.080	0.7	0.4	5 mins or less	Visual/Radar	GPS	11.82	2.80	9	0.62	19.5	9.86
38	BERTH	49" 18.270' N	N 12	123* 03.520	3	049.3	0.4	0.0	5 mins or less	Visual/Radar	GPS	11.82	2.80	0		16.1	7.08

Note: Increase in draft forward or aft due to squat effect could be more than mean draft increase. Squat is likely to result in an increase in forward draft if the block coefficient is > 0.7 and increase in aft draft if the block coefficient is < 0.7.

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Section 13B: Arrival Port - Passage from Pilot Station to Anchorage

Voyage No.

UKC CALCULATION AT EVERY WAY POINT (mtr) 114.83 235.83 303.83 132.83 234.03 190.03 109.03 139.43 84.47 83.63 52.63 120.54 SKC 50.12 42.98 90.67 Charted Depth 315 126 247 144 245 120 150 38 92 201 5 8 2 9 22 Squat 1.35 1.35 1.35 1.35 1.35 0.31 1.35 1.35 1.35 1.35 1.35 1.24 0.86 0.31 Intended transit Speed 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 9 ū Ö Θ 0 Expecte d Height of Tide 1.60 1.80 1.80 2.00 2.00 2.00 2.00 2.20 2.20 2.20 2.60 2.60 2.80 2.80 2.80 Deepest Draft 11.82 11.82 11.82 11.82 11.82 11.82 11.82 11.82 11.82 11.82 11.82 11.82 11.82 11.82 11.82 METHOD OF POSITION Secondary method GPS Visual/Radar Visual/Radar Visual/Radar Visual/Radar Visual/Radar Visual/Radar 5 mins or less Visual/Radar 5 mins or less Visual/Radar 5 mins or less Visual/Radar Visual/Radar 5 mins or less | Visual/Radar 5 mins or less Visual/Radar 5 mins or less Visual/Radar 5 mins or less | Visual/Radar Visual/Radar Primary method 5 mins or less 5 mins or less Position Plotting 10 mins or 10 mins or Interval 10 mins or 10 mins or 10 mins or 10 mins or less DIG 77.9 74.5 68.9 66.4 60.2 52.9 51.4 41.8 37.4 30.6 15.9 د 0.0 3.2 5.7 DIST 14.8 10.2 5.6 3.4 2.6 45 6.2 7.3 5 9.6 2.5 6 6.7 ل ئ T/CO 0.060 063.4 012.0 345.7 344.1 360.0 064.0 036.3 320.5 312.6 007.4 102.9 015.3 045.2 ...€ ≥ ≥ 3 ≥ ≥ ≥ 3 > ≥ ≥ ≥ ≥ ≥ ≥ ≥ Longitude 23.100 10.500' 15.000' 04.500' 18.000 09.700' 18.000' 15.000 02.000' 58.000 12.000 21.000 19.000′ 16.000' 14.000 Ē 123* 123* 123* 123* 123* 123* Deg 123* 123* 123* 123* 123* 123* 123* 123* 122* S/X z z z z Z z z Z, Z Z z z z z z Latitude 22.000 22.000 24.500' 40.000' 41,500 33,000 27,000 45,700 49.300 54.500 14.600' 18.000 04.500 17.000 18.300 Ë 48* Deg 48* 48, *8 48* 48* 46* 49* **4**9 \$ 48* 48* 48 **4**6* **4**8* PUGET SOUND TSS PUGET SOUND TSS NO, 1 ANCHORAGE Name/ Reference VICTORIA P/STN STURGEON BANK ROBERTS BANK SEA BIRD POINT STAINES POINT **BEAUMONT SH** PT. ATKENSON KELP REEFS TURN PT. PT, GREY EAST PT. TOM PT ďΧ 20 5 2 23 24 25 27 28 30 39 2 56 32 3

Note: Increase in draft forward or aft due to squat effect could be more than mean draft increase. Squat is likely to result in an increase in forward draft if the block coefficient is > 0.7 and increase in aft draft if the block coefficient is < 0.7.

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Section 13C: Arrival Port - Passage from EOSP to Anchorage/ Drifting in Open Safe Waters

02

Voyage No.

DTG Position Position Interval Poly OF POSITION Perpension of Position Interval			***************************************	 							UKC CA	UKC CALCULATION AT EVERY WAY POINT (mtr)	ION AT E	VERY W	AY POIN	√T (mtr)
Primary Primary Secondary Draft Or Tide Speed Depth Or Tide Speed Or Tide Speed Depth Or Tide Speed Or Tide Or Tide	WP Name/ Reference Latitude T/CO DIST	Latitude Longitude 7/C0	1/00		DIST		DTG	Position	METHOD OF	F POSITION NG	Deepest	Expecte	Intended		Min.	
30 mins Visual/Radar GPS 11.8 12.5 13.5 60 30 mins Visual/Radar GPS 11.8 1.80 0 84 1.20 mins Visual/Radar GPS 11.8 1.80 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Deg Min 'N/S Deg Min 'E/W	Deg Min 'N/S Deg Min 'E/W	Min 'E/W	-			2	Interval	Primary method	Secondary method	Draft	d Height of Tide	transit Speed	Squat	Charted Depth	CKC
30 mins Visual/Radar GPS 11.8 1.80 0 84	13 QUISTIS POINT 48* 52.108' N 125* 56.002' W	48* 52.108' N 125* 56.002'	56.002'			+	7.1	30 mins	Visual/Radar	GPS	11.8	1.8	12.5	1.35	99	48.62
	40 DRIFTING 48* 45.000' N 125* 56.000' W 180.0 7.1	45.000' N 125* 56.000' W 180.0	56.000° W 180.0		7.1		0.0	30 mins	Visual/Radar	GPS	11.8	1.80	0		84	74.00
		The state of the s														
						T										
						T										
	Control of the Contro	Total Control of Contr	(A)			+-										
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		The state of the s	, manual services and services are services and services are services and services and services and services are services are services and services are services													
		, and the state of	documents.	***************************************												

Note: Increase in draft forward or aft due to squat effect could be more than mean draft increase. Squat is likely to result in an increase in forward draft if the block coefficient is > 0.7 and increase in aft draft if the block coefficient is < 0.7.



Section 14 A. Instructions for filling UKC Calculation Form

M.V/M.T	HAKO	Voyage No:	02	
***************************************		· · · · · · · · · · · · · · · · · · ·		

- 1 The vessels name must be filled in the GENERAL INFORMATION page.
- 2 Go to the UKC Calculation sheet and fill in ONLY the blue shaded ceils. Fill in data in ALL the blue cells
- 3 For Hog, put negative value
- 4 Fill in the correct block coefficent for the corrected mean draft.
- 5 The intended transit speed should normally be the maximum maneuvering speed
- When entering controlling depth data, put negative sign in case the height of tide sea and swell is negative.
- 7 Remember to correctly choose "Yes" or "No" for whether vessel is in confined waters.

		Fleet	Manag	ement Limite	ed	
ananananananananananananananananahan		Section 14 B. UKO	CALC	CULATION (D	Peparture Port)	
VESSEL	,	HAKO		DATE	15-Jul-14	
PORT/ AR	EΑ	PRINCE RUPERT		LOCAL TIME	1600 LT	
Deepest	Nav	igational Draft Calculation	(Meter)	Contr	olling Depth Calculation	
		FORWARD	11.83	Select Unit for en	tering values in below column	Meter
DRAFTS		AFT	11.83		CHARTED DEPTH	13.90
DRAFIS	a)	MID\$HIPS (P)	11.83		EFFECT OF TIDE (+/-)	3.55
	b)	MIDSHIPS (S)	11.83		EFFECT OF SEA (-)	0.00
Density u	sed f	or computing above drafts	1.020		EFFECT OF SWELL (-)	0.00
c) HOG / SAG ALLOWANCE		0.00				
d) INCREASE IN DRAFT DUE TO LIST (+)		0.00	ACTUAL CONTROLLING DEPTH (ii) 17.4		17.45	
CORRECT	red i	MEAN DRAFT(a+b)/2+c+d	11.83	UNDER-KEEL CL	EARANCE in Meters	2.93
		MAXIMUM DRAFT	11.83	UNDER-KEEL CL	EARANCE in Feet	9.62
Block Coe	efficie	nt for Corrected Mean draft	0.86			
11	NCRE	EASE DUE TO SQUAT (+)	2.69			
DEEPI	EST	NAVIGATIONAL DRAFT (i)	14.52	IS VESSI	EL IN CONFINED WATERS?	YES
INT	ENDE	ED TRANSIT SPEED (KTS)	12.50			
	***************************************		000000000000000000000000000000000000000	discossossissississississississississississi		Nasaaaaaaaaaaaaa

		Fleet	Manag	gement Limite	d		9
		Section 14 C. U	KC CA	LCULATION (Arrival	Port)	77777777777777777777777777777777777777
VESSEL		HAKO	<u> </u>	DATE	**************************************	17-Jul-14	y March
PORT/ AF	REA	VANCOUVER	:	LOCAL TIME		1600 ÉT 🐺	¥.8×
Deepest	: Nav	igational Draft Calculation	(Meter)	Contro	Iling Depti	h Calculation	000001-0
		FORWARD	11.82	Select Unit for ent	ering values	s in below column	Meter
DRAFTS		AFT	11.82			HARTED DEPTH	
214110	a)	MIDSHIPS (P)	11.82			OF TIDE (+ / -)	
	b)	MIDSHIPS (S)	11.82		EFFE	ECT OF SEA (-)	0.00
Density u	sed f	or computing above drafts	1.025		EFFECT	OF SWELL (-)	0.00
c) HOG / SAG ALLOWANCE		0.00					
d) INCREASE IN DRAFT DUE TO LIST (+)		0.00	ACTUAL CON	TROLLING	DEPTH (ii)	18.90	
CORRECT	ED N	MEAN DRAFT(a+b)/2+c+d	11.82	UNDER-KEEL CLEARANCE in Meters		4.39	
		MAXIMUM DRAFT	11.82	UNDER-KEEL CLE	ARANCE	n Feet	14.41
Block Coe	fficie	nt for Corrected Mean draft	0.86			,	
IN	CRE,	ASE DUE TO SQUAT (+)	2.69				
DEEPE	STN	IAVIGATIONAL DRAFT (i)	14.51	IS VESSEL	IN CONFI	NED WATERS?	YES
INTE	NDE	D TRANSIT SPEED (KTS)	12.50				
	- Joseph San Jan San San Jan San San San San San San San San San S		annggggg	93/decensions	**************************************	9900kmmmmy-9900000	~10000000000000000000000000000000000000



RANGE PARTY



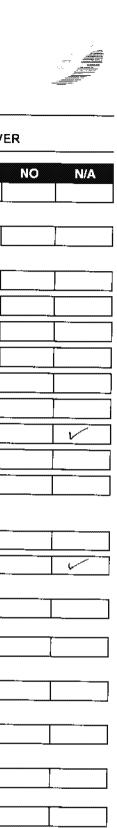
SQUAT CALCULATION

VESSEL	HAKO
BLOCK COEFFICIENT	0.860

Note: Increase in draft forward or aft due to squat effect could be more than mean draft increase. Squat is likely to result in an increase in forward draft if the block coefficient is > 0.7 and increase in aft draft if the block coefficient is < 0.7

OPEN V	VATERS	CONFINE	D WATERS
SPEED	SQUAT	SPEED	SQUAT
knots	meters	knots	meters
3	0.08	3	0.15
4	0.14	4	0.28
5	0.22	5	0.43
6	0.31	6	0.62
7	0.42	7	0.84
8	0.55	8	1.10
9	0.70	9	1.39
10	0.86	10	1.72
11	1.04	11	2.08
12	1.24	12	2.48
13	1.45	13	2.91
14	1.69	14	3.37
15	1.94	15	3.87
16	2.20	16	4.40
17	2.49	17	4.97
18	2.79	18	5.57
19	3.10	19	6.21
20	3.44	20	6.88
21	3.79	21	7.59
22	4.16	22	8.32
23	4.55	23	9.10
24	4.95	24	9.91
25	5.38	25	10.75

Section 15: Master's review of passage plan



M.V/M.T	НАКО	Voyage No:	02		
Dep Port:	PRINCE RUPERT	Arr. Port:	VANCOUV	'ER	
Section - 1 Has all releva	General information ant information filled up in the	Set up Page ?	YES	NO	N/A
	Nautical Charts on board for the passage and	are the largest scale charts in use ?			
		been filled in for each chart being used?			
		tors are required to be switched ON			
	Areas where echo sounder sh			<u>,</u>	
	Crossing and high density tra				
	Call Points' for Master	ino di dag			
	Notices to Engine Room				
	Manning of Engine Room (UN	AS Mannala)			
Has a nroner		ndicate position: メルーン(しゃ) 1/23-23,4			
Has the 'Shal	low Water Effect' and 'Banking its corrected to NTM no.				
Has the desig		peen assessed and found suitable for			
If NO, has an	alternate location been identif	ied? Indicate posn:			W
Have all requi section 3 ? Vo	Publications ired Publications been identifie byage Publications corrected to nformation been extracted from				
	Tides & current				
Has all releva	nt information regarding tides	& current filled in section 4?			
	Weather conditions e from Weather routeing agen	cies been applied ?			
Has all releva Vessels callin		sted in section 6 kept ready for use.? ined copies of completed passage av@fleetship.com?			
Has watch sch	Bridge team management nedule/ manning requirements n all Navigating officers and Ur	as per Bridge Team Management iderstood ?			
	I SPS requirements Section fully filled in and requi	red precautions taken ?	V		
	Environment requirements ant answers been filled up regaage ?	arding environmental aspect			

Section - 10 Contingencies Have all contingencies measures been discussed with the bridge team?			YES	NO	N/A
Section - 11 Departure port- Ways Has the Departure port way point list What is the Minimum expected UKC Are any navigation risk assessments (Note: Refer to BPM Section 3.2.3.1 for	filled in ? S OS required to be carried out dur		V		V
Section - 12 Sea passage- Waypoints Has the Sea passage way point list filled in ?				***************************************	
Has a longer route been taken in pre	eference to shorter more hazar	rdous route ?			
Section - 13 Arrival port- Waypoints Has the arrival port way point list filled in? What is the Minimum expected UKC \$\mathcal{L} \capp\mathcal{G} \mathcal{L}\$					
Are any navigation risk assessments required to be carried out during this leg? (Note: Refer to BPM Section 3.2.3.1 for further details).					
Section - 14 UKC calculation is UKC calculated as per bridge pro	cedure manual Annex 7 ?		W	***************************************	
Signature VUC u -		Master's Name	CAPT, UK	· m/s/	YRH
Date	Date Time				
We undersigned hereby confirm understanding & compliance with above passage plan					
Name	Rank	Date/Time	S	ignature	!
VISHOZ V. MAZARETH	Chief officer		A	1	
EPTERNOF INTROY JR.	Second officer		-	<u>5 </u>	
	Third officer				

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Section 16: Minor Last Minute Changes to Passage Plan:

Note: Any last minute minor deviation particularly with regards to pilotage and to be recorded in this section.	ns made by the Master of the master of the made by the Master should near should be made of the made o	before pilot boarding to the intended passage plan Id be discussed with duty officer and such details are	3
			_
			_
	<u> </u>		
			-
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			-
			_
			_
	-,		_
			_
			_
Prepared by:			
Prepared by: (Master)		Date:	
Above changes have been discussed	d and understood by:		
1. Name:	; Rank:	; Signature:	
2. Name:	; Rank:	; Signature:	
3. Name:	; Rank:	; Signature:	
4. Name:			

Section 17: Post Voyage De-Brief of Passage Plan

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M.V/M.T	HAKO	Voyage No:	02
After completed members. Po	tion of a passage, the master should take the opportunity to discussible weaknesses should be openly admitted and discussed so the	ss the planning and execution of the part they may be corrected or allowed for	passage with his team or in future passages.
Such a de b corrections a	rief need not take long, and can take place during the passage re made to a planned passage they can be saved for future use.	whilst the memory is still fresh in pe	eople's minds. Where
1. Were cha Remarks (if a	arts and publications suitable for the voyage ? any):		YES NO N/A
2. Was the Remarks (if a	bridge team composition adequate or were any changes requany):	uired ?	
3. Were and Remarks (if a	y amendments required to the departure port information (Sec any):	ction 11) ?	
4. Were an Remarks (if	y amendments required to the arrival port information (Sectional):	n 13A) ?	
b) Was t	he UKC experienced during the passage as calculated in the here a significant difference between the UKC at the berth(s) lation? UKC at berth(s): UKC as per any):	and the expected UKC as per	
6. Was the Remarks (if	position fixing interval stated in the passage plan adequate/ any):	difficult to comply with ?	
7. List 'Note	e worthy efforts' (for example by members of the bridge team	, during the various stages of the p	lan etc.
8. List the	scope for improvement in future passage plans:		
Master Ch/ Off		Sign Sign	
2/ Off 3/ Off Addni Of	f	Sign Sign Sign	
Date		Time	

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